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Day.	Phenomenon.	Telescope.	Power.	Moon's Limb.	Mean Solar Time of Observation. h m s	Observer.
Oct. 3	Disapp. χ^1 Sagittarii	Sheepshanks Equat.	125	Dark	6 42 59·35	W.
3	Reapp. ,,	,,	125	Bright	7 33 59·57	,,

Notes.

(*a*) Not considered a good observation.
(*b*) Seemed to be a slight distance from limb when first seen.
(*c*) The observer noted that the observed time was probably late.
(*d*) Observed in twilight. The observed time has been diminished by one minute.

Phenomena of Jupiter's Satellites.

Day.	Satellite.	Phenomenon.	Telescope.	Power.	Mean Solar Time of Observation. h m s	Mean Solar Time of *N.A.* h m	Observer.
1897.							
Jan. 27	I. (*a*)	Tr. Ing. First contact	E. Equat.	120	9 6 56·41		H.
27	I.	Bisection	,,	,,	9 9 1·07	9 10	,,
27	I.	Last contact	,,	,,	9 11 15·7		,,
27	I.	Tr. Egr. Bisection	,,	,,	11 28 13·34	11 29	,,
27	I.	Last contact	,,	,,	11 30 8·03		
28	II.	Tr. Ing. Bisection	,,	,,	9 53 48·53	9 55	A. C.
28	II.	Last contact	,,	,,	9 55 33·24		
28	II.	Tr. Egr. First contact	,,	,,	12 38 37·58		,,
28	II.	Bisection	,,	,,	12 40 43·24	12 45	,,
28	II.	Last contact	,,	,,	12 42 23·96		,,
Mar. 13	I. (*b*)	Occ. D. First contact	,,	,,	11 7 45·23		W. B.
13	I.	Bisection	,,	,,	11 9 10·00	11 9	,,
13	I.	Last seen	,,	,,	11 10 24·80		,,

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Day.	Satellite.	Phenomenon.	Telescope.	Power.	Mean Solar Time of Observation. h m s	Mean Solar Time of *N.A.* h m s	Observer.
Mar. 22	I.	Ecl. R. First seen	Transit Circle	195	10 15 0·81	10 14 55	H. F.
22	I.	Bisection	,,	,,	10 16 5·62		,,
30	I. (*c*)	Sh. Egr. First contact	Astrog. Equat.	225	9 27 17·68	9 32	C. D.
30	I.	Last contact	,,	,,	9 31 12·03		
30	III.	Tr. Ing. First contact	,,	,,	9 41 55·27		,,
30	III.	Bisection	,,	,,	9 45 9·74	9 44	,,
30	III.	Last contact	,,	,,	9 49 58·96		,,
Apr. 14	I.	Ecl. R. Full brightness	E. Equat.	200	10 29 8·01	10 27 33	H.
18	II.	Ecl. R. First seen	Astrog. Equat.	225	11 0 46·31	11 0 24	H. F.
18	II.	Bisection	,,	,,	11 2 6·08		,,
18	II.	Full brightness	,,	,,	11 4 0·77		,,
28	I.	Occ. D. Bisection	E. Equat.	120	10 50 13·36	10 50	B.
28	I.	Last seen	,,	,,	10 51 33·13		
May 20	II.	Ecl. R. First seen	,,	,,	10 40 37·06	10 39 38	W.
20	II.	Bisection	,,	,,	10 41 56·84		,,
20	II.	Full brightness	,,	,,	10 43 56·51		,,

Notes.

(*a*) Bad definition.

(*b*) Thin cloud over *Jupiter*.

(*c*) Definition very poor.

The initials H., A. C., B., C. D., W. B., H. F., R. C., J., S., W., W. S., are those of Mr. Hollis, Mr. Crommelin, Mr. Bryant, Mr. Davidson, Mr. Bowyer, Mr. Furner, Mr. Cheeseman, Mr. Johns, Mr. Showell, Mr. Witchell, and Mr. Stevens respectively.

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1898MNRAS..58..101.

Occultations of the Pleiades by the Moon on 1897 July 23 and 1898 January 3, observed at the Radcliffe Observatory, Oxford.

(*Communicated by the Radcliffe Observer.*)

The following are observations of two occultations of the Pleiades by the Moon, viz. on 1897 July 23 and 1898 January 3 :—

	Name of Star.	Magnitude.	Phenomenon.	Moon's Limb.	Observer.	Instrument.	Power.	Time Noted.	Oxford Sidereal Time.	Greenwich Mean Time.	Ref. No.
1897.								h m s	h m s	h m s	
July 23	17 Tauri	3·8	Disapp.	Bright	R.	Barclay Equat.	85	20 18 45·5	20 21 3·12	12 18 8·5	(1)
	16 Tauri	6·5	Reapp.	Dark	R.	,,	85	20 51 36·0	20 53 53·74	12 50 53·8	(2)
	17 Tauri	3·8	,,	,,	R.	,,	45	21 11 24·9	21 13 42·71	13 10 39·5	...
	Arg. Z + 23°·536	6·8*	Disapp.	Bright	R.	,,	45	21 19 48·	21 22 5 84	13 19 1·2	(3)
	η Tauri	3 0	,,	,,	R.	,,	45	21 23 57·7	21 26 15·54	13 23 10·3	(4)
	Arg. Z + 23°·540	7·0*	,,	,,	R.	,,	45	21 28 25·	21 30 42·86	13 27 36·8	(5)
	Arg. Z + 23°·517	8·0*	Reapp.	Dark	R.	,,	45	21 33 52·	21 36 30·72	13 33 23·8	(6)
	23 Tauri	4·2	,,	,,	R.	,,	45	21 34 26·7	21 37 5·42	13 33 58·4	(7)
	Arg. Z + 23°·536	6·8*	,,	,,	R.	,,	45	22 13 37·3	22 16 16·15	14 13 2·7	...
	η Tauri	3·0	,,	,,	R.	,,	45	22 14 28·0	22 17 6·85	14 13 53·2	(8)
	28 Tauri	6·2	Disapp.	Bright	R.	,,	45	22 17 6·	22 19 44·86	14 16 30·8	(9)
	28 Tauri	6·2	Reapp.	Dark	R.	,,	45	22 54 59·5	22 57 38·50	14 54 18·2	(10)
1898.											
Jan. 3	17 Tauri	3·8	Disapp.	Dark	W.	Heliometer	80	2 1 29·2	2 1 15·32	7 12 35·8	(11)

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